

MO
HEA
26:994

MISSOURI STATE LIBRARY

JUL 26 1994 490

DEPOSITORY DOCUMENT

Missouri Department Of Health

1993 Annual Disease Report

Bureau of Communicable Disease Control
Bureau of Veterinary Public Health
Bureau of Immunization
Bureau of Tuberculosis Control

Most Frequently Reported Diseases by District, 1993	Central District	Eastern District	Northeast District	Northwest District	Southeast District	Southwest District	Total
Amebiasis	5	26	1	15	2	5	54
Campylobacter	55	269	19	99	58	116	616
Chickenpox	1800	1444	1046	1914	1785	1620	9609
E. coli O157:H7	1	20	1	5	2	6	35
Encephalitis	4	3	2	11	1	5	26
Giardiasis	91	312	29	182	67	89	770
Hepatitis A	63	1144	5	119	26	86	1443
Hepatitis B	16	399	3	96	26	45	585
Hepatitis NANB	1	2	2	10	3	7	25
Hib, Meningitis	2	3	3	0	2	2	12
Hib, Other Invasive	14	48	3	20	11	27	123
Influenza (confirmed)	55	124	8	31	24	30	272
Legionellosis	2	2	1	24	0	4	33
Listeria monocytogenes	1	10	1	3	2	0	17
Measles, Indigenous	1	0	0	0	0	0	1
Meningitis, Aseptic	35	85	14	66	27	48	275
Meningitis, Meningococcal	3	8	0	11	7	5	34
Mumps	4	13	2	14	5	8	46
Pediculosis	970	643	660	1173	2419	1440	7305
Pertussis	11	65	3	37	15	13	144
Rabies (Animal)	4	11	1	4	11	4	35
Rocky Mountain Spotted Fever	3	2	0	4	5	6	20
Salmonella	71	184	19	110	95	50	529
Scabies	150	76	146	279	690	211	1552
Shigella	46	431	0	120	68	9	674
Toxic Shock Syndrome	0	2	0	0	0	0	2
Tuberculosis	29	96	2	52	34	35	256*
Yersiniosis	1	15	0	6	3	1	26

* Institutionalized = 8

Most Frequently Reported Diseases by Month, 1993	TOTAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AMEBIASIS	54	3	3	1	3	6	4	3	8	7	6	6	4
CAMPYLOBACTER	616	25	29	32	28	47	99	89	84	47	52	43	41
CHICKENPOX	9609	1183	1098	1626	1536	1348	534	88	94	117	324	537	1124
E. COLI O157:H7	35	2	0	0	1	1	4	5	11	2	4	4	2
ENCEPHALITIS	26	0	0	1	0	2	1	2	6	2	4	3	5
GIARDIASIS	770	44	43	43	42	41	58	43	113	85	80	88	90
HEPATITIS, TYPE A	1443	244	145	164	126	93	127	88	103	130	75	91	57
HEPATITIS, TYPE B	585	51	40	66	48	48	54	40	67	40	47	53	31
HEPATITIS, NON-A, NON-B	25	3	2	6	3	0	3	3	1	0	2	1	1
HIB, MENINGITIS	12	2	1	1	0	1	0	0	0	2	2	1	2
HIB, OTHER INVASIVE	123	9	8	7	11	8	18	4	11	7	14	7	19
LEGIONELLOSIS	33	1	1	3	2	1	5	2	4	3	4	4	3
LISTERIA MONOCYTOGENES	17	3	1	1	0	1	4	3	0	2	1	0	1
LYME DISEASE	108	1	5	1	2	6	7	5	21	9	18	23	10
MEASLES, INDIGENOUS	1	0	0	0	1	0	0	0	0	0	0	0	0
MENINGITIS, ASEPTIC	275	7	11	6	7	11	20	34	58	49	33	21	18
MENINGITIS, MENINGOCOCCAL	34	1	3	7	3	5	3	3	2	1	3	1	2
MUMPS	46	3	2	5	2	9	1	1	2	7	5	6	3
PEDICULOSIS	7305	678	616	634	480	537	152	80	197	1207	1201	673	850
PERTUSSIS	144	5	5	3	3	3	13	25	27	23	18	13	6
RABIES, ANIMAL	35	1	0	0	0	4	5	5	4	8	3	4	1
ROCKY MOUNTAIN SPOTTED FEVER	20	0	0	0	2	0	3	5	4	0	5	0	1

Most Frequently Reported Diseases by Age, 1993	TOTAL	Under 1	1	2	3	4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	unk
AMEBIASIS	54	4	1	3	3	1	7	1	1	2	13	8	5	2	3	0
CAMPYLOBACTER	616	44	22	23	17	11	39	23	32	50	113	91	52	29	65	5
E. COLI O157:H7	35	0	1	2	0	2	4	3	4	0	3	5	2	2	7	0
ENCEPHALITIS	26	0	2	0	0	1	1	1	1	1	5	3	2	3	6	0
GIARDIASIS	770	26	53	63	38	32	88	28	21	34	169	105	53	28	26	6
HEPATITIS A	1443	45	12	9	21	18	147	133	206	236	296	144	69	45	46	16
HEPATITIS B	585	14	1	1	0	1	3	4	33	61	190	127	43	23	27	57
HEPATITIS, NANB	25	0	0	0	0	0	0	0	0	3	10	9	1	1	0	1
HIB, MENINGITIS	12	8	2	0	0	0	1	0	0	0	0	1	0	0	0	0
HIB, OTHER INVASIVE	123	11	5	0	0	3	6	2	12	6	7	7	2	7	54	1
LEGIONELLOSIS	33	1	0	0	0	0	0	2	0	0	4	5	6	5	10	0
LISTERIA MONOCYTOGENES	17	4	0	0	0	0	0	0	0	0	2	0	1	4	5	1
LYME DISEASE	108	0	0	0	0	0	2	4	2	0	16	30	27	15	12	0
MEASLES, INDIGENOUS	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MENINGITIS, ASEPTIC	275	51	2	2	3	3	20	21	20	29	70	35	8	4	7	0
MENINGITIS, MENINGOCOCCAL	34	8	7	0	4	2	2	5	2	2	0	0	1	0	1	0
MUMPS	46	3	4	1	2	0	12	13	3	1	3	1	0	0	0	3
PERTUSSIS	144	100	16	4	5	1	10	4	0	1	3	0	0	0	0	0
RMSF	20	1	0	0	1	1	1	2	0	0	2	2	5	2	2	1
SALMONELLA	529	79	25	22	17	13	40	27	24	28	53	44	34	27	86	10
SHIGELLA	674	27	43	79	62	61	146	48	21	29	78	44	13	6	10	7
TUBERCULOSIS	256	0	2	4	4	0	3	8	4	11	36	24	31	33	96	0
YERSINIA ENTEROCOLITICA	26	15	1	2	0	1	1	0	1	1	1	0	0	1	3	0

MOST FREQUENTLY REPORTED DISEASES BY COUNTY, 1993	AMEBIASIS	CAMPYLOBACTER	E. COLI O157:H7	GIARDIASIS	HEPATITIS			HIB MENINGITIS	HIB, OTHER INVASIVE	LEGIONELLOSIS	LISTERIA MONOCYTOGENES	LYME DISEASE	MEASLES, INDIGENOUS	MENINGITIS, ASEPTIC	MENINGITIS, MENINGOCOCCAL	MUMPS	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TUBERCULOSIS	YERSINIA ENTEROCOLITICA	
					A	B	NANB																
DALLAS		2					1		2							1				2			1
DAVIESS																							
DEKALB					2	1			1	1										2			
DENT				1																1	1	1	
DOUGLAS		1	2			1																	2
DUNKLIN					5	3	1	1								1	3	1		7	2	6	
FRANKLIN	1	14	1	18	14	6			1							3	2	7	2	7	26	2	
GASCONADE	1	1		1	2												1			1	12		
GENTRY		1		1										1									
GREENE	2	53	3	40	39	23	4	1	7	1			1		13	2	4	2	1	11	6	9	1
GRUNDY		1			3										1			1			1		
HARRISON				1											1								
HENRY				1		1			1								1						
HICKORY		2					1																
HOLT									1						1								
HOWARD		1																			2		
HOWELL		5	13	3	1				2						1			1		1	6	1	4
IRON		1	9	1										1			1	2		2			
JACKSON		22	1	35	25	13	1		5	6	1	28		24	3	5	23	2	21	17	3		
JASPER	2	8		6	26	11			3	1		1			1	1	6	1	4			5	
JEFFERSON		9		38	36	14			5		1	3		9			5		19	7	8		
JOHNSON		2		4	4	1	1								3				1	1	3		
KNOX																							
LACLEDE		1		1	1				2						2			2	2	1	5		
LAFAYETTE		3		2	4	1			1		1				1	1				2	1		
LAWRENCE		6		7		1			6						3		1	1		4	1		
LEWIS															1		1						
LINCOLN		1		5		1			1						1		1	1		3	4		
LINN			1									1			1				2				

MOST FREQUENTLY REPORTED DISEASES BY COUNTY, 1993	AMEBIASIS	CAMPYLOBACTER	E. COLI O157:H7	HEPATITIS			HIB MENINGITIS	HIB, OTHER INVASIVE	LEGIONELLOSIS	LISTERIA MONOCYTOGENES	LYME DISEASE	MEASLES, INDIGENOUS	MENINGITIS, ASEPTIC	MUMPS	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TUBERCULOSIS	YERSINIA ENTEROCOLITICA
				GIARDIASIS	A	B														
LIVINGSTON				2																
MCDONALD	3		2	3																1
MACON	1		1	1														1		
MADISON	3		1																	1
MARIES	1																			1
MARION	3		5					2								1	1	4		
MERCER																				
MILLER	2		1	2														6		
MISSISSIPPI			1	2	2														1	1
MONITEAU	1	4	1				1								1			2		1
MONROE	2		1																	
MONTGOMERY	2														1	1		2		
MORGAN	2						1								2					1
NEW MADRID	1		1	1				1							2			31	2	1
NEWTON	5	3	10	3			1	1	1						1	1	1	1		7
NODAWAY			2												1					
OREGON				1															1	1
OSAGE	1	1	1															5	4	2
OZARK		1																1	1	3
PEMISCOT	2			3											1			4	3	
PERRY	1	2													2	1	2			1
PETTIS	5	6	2	1				1							6					2
PHELPS	3	4	11					2							1		1	3	3	1
PIKE	3		1												2				3	
PLATTE	2	2	2	2					1	1	2				1	4		2		
POLK	2		7	1											1	3		5	1	3
PULASKI			3	2	1		1								2		3	1	2	2
PUTNAM			1																	
RALLS			1															1		

MOST FREQUENTLY REPORTED DISEASES BY COUNTY, 1993	AMEBIASIS	CAMPYLOBACTER	E. COLI O157:H7	GIARDIASIS	HEPATITIS			HIB MENINGITIS	HIB, OTHER INVASIVE	LEGIONELLOSIS	LISTERIA MONOCYTOGENES	LYME DISEASE	MEASLES, INDIGENOUS	MENINGITIS, ASEPTIC	MENINGITIS, MENINGOCOCCAL	MUMPS	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TUBERCULOSIS	YERSINIA ENTEROCOLITICA				
					A	B	NANB																			
RANDOLPH		5		3	1	2				1										2						
RAY		3		1		3												1		1	1					
REYNOLDS					1																	1				
RIPLEY					1															2		1				
ST CHARLES		33	5	57	29	9	2		2		2		2	1	15		5	16	220	7						
ST CLAIR						1			1				1	1								1				
ST FRANCOIS		6		4	6	2	2	1	2				4	5		3	1	5	2			1				
ST LOUIS COUNTY	11	168	11	148	332	58		2	23	2	2			51	2	5	27	83	116	36	9					
ST LOUIS CITY	14	42	3	45	731	308		1	17		5			7	4	1	25	56	62	43	5					
STE GENEVIEVE					1	1			1				3	3			1	2			1					
SALINE	1			5				1						3							1					
SCHUYLER							1																			
SCOTLAND		2																		1		1				
SCOTT		7		1					4				3	2		2		4	20	2						
SHANNON	1		2	2															2							
SHELBY				2			1																			
STODDARD		1				4					1	2		1	1	1					7	1				
STONE		4		1		1								1	1	1	1	3		2						
SULLIVAN				1	1		2												1		1					
TANEY		3			1	1				1		2		2		1		2		3						
TEXAS		3	1	12		2													6	20	1					
VERNON	1	3		5	1	1														1						
WARREN		4		6	8	1								3				5	13	1						
WASHINGTON				1	7	2		1	2						1		1	2			1				1	
WAYNE													1		3	1	1									
WEBSTER		6	1	1			1		1					11				1	6							
WORTH																										
WRIGHT		5	1	4		1								1	1		1	1	1	1	1	5				
KANSAS CITY	11	45	4	90	75	67	5		5	11				20	3	1	6	1	57	85	37	5				
UNKNOWN			3		6	2	4											2	3			1				
TOTAL	54	616	35	770	1443	585	25	12	123	33	17	108	1	275	34	46	144	20	529	674	256*	26				

*Institutionalized = 8

Reportable Diseases of Very Low Incidence, Missouri			
Disease	1993	1992	1991
Anthrax	0	0	0
Botulism	0	0	0
Brucellosis	0	0	3
Cholera	0	0	0
Diphtheria	0	0	0
Histoplasmosis	4	12	24
Kawasaki Disease	3	8	13
Leptospirosis	3	0	4
Malaria	9	12	9
Plague	0	0	0
Poliomyelitis	0	0	0
Psittacosis	1	1	0
Reye Syndrome	0	0	1
Rubella	1	1	5
Tetanus	1	1	1
Trichinosis	0	0	0
Tularemia	17	34	44
Typhoid Fever	2	3	2

Other Reportable Diseases, Missouri			
Disease	1993	1992	1991
Animal Bites	6503	6751	6514
Chickenpox	9609	10,009	7678
Fifth Disease	1012	285	423
Pediculosis	7305	8670	9129
Scabies	1552	1565	1483
Scarlet Fever	542	620	740

Source: Data from active and passive surveillance systems.

**Reportable Diseases of
Very Low Incidence,
by County, 1993**

(Only the counties with
reported cases are listed.)

	ANTHRAX	BOTULISM	BRUCELLOSIS	CHOLERA	DIPHTHERIA	HISTOPLASMOSIS	KAWASAKI DISEASE	LEPTOSPIROSIS	MALARIA	PLAQUE	POLIO- MYELITIS	PSITTACOSIS	REYE SYNDROME	RUBELLA	TETANUS	TRICHINOSIS	TULAREMIA	TYPHOID FEVER	
TOTAL	0	0	0	0	0	4	3	3	9	0	0	1	0	1	1	0	17	2	
Bates						1													
Boone						1		1											
Butler																	1	1	
Cedar							1												
Douglas																		1	
Dunklin						1													
Harrison												1							
Holt					1														
Howard																	1		
Howell																	1		
Jackson					1		1							1					
Jefferson																	1		
McDonald																	1		
Madison																	1		
Marion																	1		
Miller																	2		
Morgan																	1		
Phelps							1										1		
Pike						1													
Pulaski								1										1	
Randolph																		1	
St. Charles							1	1	1								1		
St. Louis County										4							1		
Scotland									1										
Texas																	1		
Wright																	1		
Kansas City										1							1		

MISSOURI MORBIDITY AND MORTALITY REPORTS OF SELECTED COMMUNICABLE DISEASES - 15 YEAR REPORT

	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979
AIDS	1664	662	656	599	481	403	239	91	52	28	6	1	-	-	-
Amebiasis	54	23	25	26	19	30	27	26	28	44	45	11	28	15	29
Brucellosis	0	0	3	1	2	4	14	4	12	7	4	4	4	3	6
Campylobacter	616	614	602	547	473	441	260	281	304	260	166	115	78	49	-
Chickenpox	9609	10009	7678	10591	9086	11350	8595	5093	2474	2565	408	637	880	2331	3510
Chlamydia	11625	11907	10643	11151	8151	6239	2944	1532	412	9	-	-	-	-	-
Encephalitis, Inf.	26	16	22	12	6	8	11	13	12	11	28	16	10	13	16
Giardiasis	770	739	790	878	859	654	690	516	458	462	216	235	113	77	72
Gonorrhea	13147	14887	17450	20012	21053	17241	16491	19029	20023	20042	20750	21269	22249	21640	21395
Haemophilus influenzae type B															
Meningitis	12	22	42	88	106	138	131	172	108	104	86	66	-	-	-
Other Invasive	123	59	39	57	-	-	-	-	-	-	-	-	-	-	-
Hepatitis A	1443	1500	653	619	810	897	560	126	98	138	123	204	282	254	392
Hepatitis B	585	535	549	633	704	639	460	420	359	297	365	297	307	205	267
Non A, Non B	25	27	31	42	53	50	46	39	42	18	33	24	(Added into Hep Unsp)		
Unspecified	19	9	15	19	13	21	21	15	24	46	87	95	214	176	189
Influenza (confirmed)	272	111	462	220	293	148	69	78	61	39	140	153	225	-	-
Lyme Disease	108	150	207	205	108	-	-	-	-	-	-	-	-	-	-
Malaria	9	12	9	13	13	6	8	12	5	8	4	10	4	16	6
Meningitis, Asep.	275	272	277	246	223	124	163	172	156	95	277	156	178	116	130
Meningitis, Mening.	34	32	37	31	21	33	35	40	46	53	55	40	45	42	38
Meningitis, Other	78	43	62	66	64	64	75	123	47	51	276	156	122	127	94
Mumps	46	39	40	62	87	68	38	23	18	11	21	13	40	103	203
Pertussis	144	120	83	116	141	25	46	32	35	23	24	17	24	30	24
Polio, all forms	0	0	0	0	0	1	0	0	1	0	2	0	1	0	1
Rabies, Animal	35	37	28	30	62	36	59	75	59	70	96	123	243	379	307
RMSF	20	24	25	36	48	54	26	25	10	14	14	10	23	31	31
Rubella	1	1	5	3	4	0	0	1	7	0	0	38	2	45	73
Rubeola	1	0	1	103	671	65	190	32	5	6	1	2	1	67	436
Salmonellosis	529	426	616	723	676	772	660	728	690	617	602	571	700	589	602
Shigellosis	674	742	259	284	411	607	471	89	143	244	264	67	268	129	258
Syphilis, Total	2499	1940	926	598	388	473	328	494	578	712	801	1069	1397	1051	896
Primary & Second.	1354	1167	572	272	162	154	90	110	133	186	145	296	394	163	139
Tetanus	1	1	1	0	4	1	1	2	3	6	1	1	1	2	1
Tuberculosis	256	245	254	312	278	275	339	338	311	354	399	390	432	466	500
Tularemia	17	34	44	33	39	45	58	32	35	40	51	27	28	26	21
Typhoid Fever	2	3	2	4	2	3	7	6	6	6	10	4	9	20	8
Yersinia enterocolitica	26	37	48	32	36	30	10	6	2	3	1	-	-	-	-